



Water-Data Report CA-2005

**11202000 NORTH FORK OF MIDDLE FORK TULE RIVER, NEAR SPRINGVILLE, CA**

Tulare Lake Basin

LOCATION.--Lat 36°10'29", long 118°41'41" referenced to North American Datum of 1927, Tulare County, Hydrologic Unit 18030006, unsurveyed, on right bank, 1.2 mi upstream from mouth, 2.2 mi downstream from Hossack Creek, and 7.4 mi northeast of Springville.

DRAINAGE AREA.--39.3 mi<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1315-A. January 1909 to December 1912 at site 2 mi upstream, records not equivalent. Prior to October 1954, records for river and Pacific Gas and Electric Co. Conduit published separately; combined flow only, October 1954 to September 1960. Prior to October 1982, combined flow consisted of river and conduit. October 1982 to present, combined flow consists of river and Pacific Gas and Electric Co. Tule River Powerplant near Springville (station 11201700).

REVISED RECORDS.--WSP 1445: 1951. WSP 1930: Drainage area. WDR CA-91-3: Adjusted data for 1990.

GAGE.--Water-stage recorder. Concrete control on river since Aug. 6, 1958. Rectangular weir and concrete control on river since July 10, 1991. Elevation of gage is 2,920 ft above NGVD of 1929, from topographic map.

REMARKS.--Pacific Gas and Electric Co. Conduit diverts 2.5 mi upstream from station; water is returned to river 1.1 mi downstream after passing through Tule River Powerplant (station 11201700). For records of combined discharge of river and powerplant, see station 11202001. See schematic diagram of Tule River Basin.

COOPERATION.--Records were provided by Pacific Gas and Electric Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 1333.

EXTREMES FOR PERIOD OF RECORD.--River only: Maximum discharge, 16,900 ft<sup>3</sup>/s, Dec. 6, 1966, gage height, 13.83 ft, from floodmarks, from rating curve extended above 1,820 ft<sup>3</sup>/s, on basis of critical-depth determinations at gage heights 9.67 and 12.47 ft; minimum daily, 0.06 ft<sup>3</sup>/s, Nov. 2, 1979.

Combined flow: Maximum discharge, 16,900 ft<sup>3</sup>/s, Dec. 6, 1966; minimum daily, 4.9 ft<sup>3</sup>/s, Dec. 24, 26, 1999, July 9, 2002, July 29, 2004.

**11202000 NORTH FORK OF MIDDLE FORK TULE RIVER, NEAR SPRINGVILLE, CA—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	8.8	4.5	7.8	10	8.3	6.5	28	41	213	34	12	8.2
<b>2</b>	8.7	4.5	7.8	8.9	9.9	7.6	34	42	210	31	13	8.2
<b>3</b>	8.6	5.6	7.8	8.6	9.6	11	38	54	199	28	13	8.1
<b>4</b>	8.6	7.4	7.8	9.1	9.4	9.8	38	68	182	23	11	8.2
<b>5</b>	8.6	7.3	7.8	8.7	9.2	7.4	32	105	171	18	8.5	8.2
<b>6</b>	8.6	7.4	7.8	8.5	9.3	7.3	45	107	146	13	8.5	8.2
<b>7</b>	8.6	7.5	11	10	9.2	7.3	60	88	124	13	8.6	8.0
<b>8</b>	8.6	6.8	8.8	36	8.9	7.3	52	76	113	12	8.5	8.0
<b>9</b>	8.9	7.3	8.4	242	8.9	8.0	47	106	104	12	8.4	8.1
<b>10</b>	8.9	8.0	8.2	208	8.9	9.9	38	89	100	11	8.6	8.2
<b>11</b>	8.8	8.1	8.1	168	9.1	14	39	75	110	10	8.8	8.2
<b>12</b>	8.8	8.1	8.1	37	9.3	26	42	70	116	9.7	8.8	8.2
<b>13</b>	8.7	7.9	8.0	17	9.2	30	45	83	121	9.3	8.8	8.1
<b>14</b>	8.7	7.8	8.0	9.7	9.2	23	41	110	132	9.2	9.1	8.1
<b>15</b>	8.6	7.9	8.0	8.4	9.2	15	48	152	137	9.1	10	8.1
<b>16</b>	8.6	8.3	7.8	7.7	9.0	8.8	59	289	125	9.0	10	7.6
<b>17</b>	12	8.3	7.8	7.3	9.0	8.2	70	246	108	8.8	10	6.8
<b>18</b>	11	8.2	7.8	8.0	13	7.8	74	212	96	10	9.4	6.8
<b>19</b>	13	8.3	7.8	9.0	14	19	63	251	83	13	8.7	6.7
<b>20</b>	36	8.3	7.8	8.5	15	30	50	271	75	13	8.6	6.7
<b>21</b>	6.9	8.3	7.8	9.3	12	19	46	265	74	13	8.6	6.7
<b>22</b>	5.4	8.3	7.8	9.6	11	112	50	283	73	12	8.5	6.7
<b>23</b>	5.9	8.3	7.8	10	11	154	43	310	68	12	8.5	6.6
<b>24</b>	6.3	8.3	7.8	9.8	9.7	76	51	308	62	12	8.5	7.2
<b>25</b>	6.2	8.3	7.8	8.9	6.7	48	41	320	54	12	8.4	7.5
<b>26</b>	7.4	8.3	7.8	8.8	6.5	35	39	336	49	12	8.5	11
<b>27</b>	7.4	11	8.1	9.6	6.4	35	45	338	44	12	8.4	15
<b>28</b>	5.8	11	8.9	9.2	6.8	59	53	322	40	12	8.5	13
<b>29</b>	5.5	8.3	9.4	9.4	---	42	44	280	39	12	8.4	13
<b>30</b>	4.3	8.1	9.8	8.0	---	32	41	222	36	12	8.2	13
<b>31</b>	4.4	---	19	7.6	---	27	---	208	---	12	8.2	---
<b>Total</b>	276.6	235.7	264.4	930.6	267.7	902.9	1,396	5,727	3,204	429.1	285.0	256.4
<b>Mean</b>	8.92	7.86	8.53	30.0	9.56	29.1	46.5	185	107	13.8	9.19	8.55
<b>Max</b>	36	11	19	242	15	154	74	338	213	34	13	15
<b>Min</b>	4.3	4.5	7.8	7.3	6.4	6.5	28	41	36	8.8	8.2	6.6
<b>Ac-ft</b>	549	468	524	1,850	531	1,790	2,770	11,360	6,360	851	565	509

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	4.97	14.2	25.3	28.1	26.2	32.9	48.2	81.0	47.8	12.4	5.14	4.38
<b>Max</b>	19.1	362	786	353	182	337	229	381	316	136	16.2	22.7
(WY)	(1953)	(1951)	(1967)	(1997)	(1986)	(1943)	(1969)	(1969)	(1983)	(1998)	(1996)	(1952)
<b>Min</b>	0.53	0.76	0.73	0.81	0.80	1.21	1.13	1.03	0.61	0.34	0.32	0.31
(WY)	(1965)	(1963)	(1991)	(1991)	(1991)	(1977)	(1977)	(1992)	(1992)	(1961)	(1964)	(1961)

**11202000 NORTH FORK OF MIDDLE FORK TULE RIVER, NEAR SPRINGVILLE, CA—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2004</b>	<b>Water Year 2005</b>	<b>Water Years 1940 - 2005</b>	
<b>Annual total</b>	3,064.8	14,175.4		
<b>Annual mean</b>	8.37	38.8	27.2	
<b>Highest annual mean</b>			129	1967
<b>Lowest annual mean</b>			1.25	1961
<b>Highest daily mean</b>	36	Mar 21	338	May 27
<b>Lowest daily mean</b>	4.3	Oct 30	4.3	Oct 30
<b>Annual seven-day minimum</b>	4.8	Jan 24	4.9	Oct 28
<b>Maximum peak flow</b>			499	Jan 9
<b>Maximum peak stage</b>			5.14	Jan 9
<b>Annual runoff (ac-ft)</b>	6,080	28,120	19,730	
<b>10 percent exceeds</b>	11	110	71	
<b>50 percent exceeds</b>	7.6	9.4	5.9	
<b>90 percent exceeds</b>	5.2	7.4	0.82	

